Abstract of the Disclosure

A method and apparatus antialias a region of a set of objects. The set of objects is represented by a set of two-dimensional distance fields. Each distance field is partitioned into cells, where each cell is associated with a method for reconstructing the distance field within the cell. For each distance field, a set of cells associated with the region is identified. A set of pixels associated with the region is located and a set of components is specified for each pixel. For each component of each pixel, a corresponding distance for the component is determined for each distance field using the corresponding set of cells and the corresponding distances are combined to determine a combined distance. The combined distance is mapped to an antialiased intensity of the component of the pixel.